

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Blume *et al.*

Appl. No. 08/679,330

Filing Date: July 12, 1996

For: **Methods and Pharmaceutical  
Compositions Employing  
Desmethylselegiline**

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: SOM700/13004

**Information Disclosure Statement**

Assistant Commissioner for Patents  
BOX: Information Disclosure Statement  
Washington, DC 20231

Sir:

Submitted herewith is a listing of documents known to Applicants and/or their attorney in compliance with the requirements of 37 C.F.R. § 1.56. Copies of the listed documents are also enclosed.

Applicants do not waive any rights to appropriate action to establish patentability over any of the listed documents should they be applied as references against the claims of the present application. This statement should not be construed as a representation that more material information does not exist or that an exhaustive search of the relevant art has been made.

Consideration of the cited documents and making the same of record in the prosecution of the above-captioned application are respectfully requested. It is believed that no fees are due for consideration of this Information Disclosure Statement. Any fees which may be due may be debited to our Deposit Account No. 22-0365. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

VINSON & ELKINS L.L.P.

*Michael A. Sanzo*

Michael A. Sanzo  
Attorney for Applicants  
Registration No. 36,912

Date: November 8, 1996

1455 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004-1008  
(202) 639-6585

<b>LIST OF REFERENCES CITED BY APPLICANT</b>	Atty. Docket No. <b>SOM700/4-4 CIP2CON2</b>		Appl No. <b>To be assigned</b>	
	Applicants: <b>Blume <i>et al.</i></b>			
	Filing Date <b>December 20, 2001</b>		Group To be assigned	

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 1	4,564,706	01/14/86	Ecsery <i>et al.</i>	564	376	07/14/83
	AB 1	4,812,481	03/14/89	Reischig <i>et al.</i>	514	647	04/15/87
	AC 1	4,861,800	08/29/89	Buyske	514	646	08/18/87
	AD 1	4,925,878	05/15/90	Bodó <i>et al.</i>	514	646	08/17/88
	AE 1	5,075,338	12/24/91	Knoll <i>et al.</i>	514	654	10/11/89
	AF 1	5,128,145	07/07/92	Edgren <i>et al.</i>	424	473	08/02/91
	AG 1	5,190,763	03/02/93	Edgren <i>et al.</i>	424	473	05/07/90
	AH 1	5,225,446	07/06/93	Milgram	514	654	07/14/92
	AI 1	5,234,957	08/10/93	Mantelle	514	772.6	12/23/91
	AJ 1	5,242,950	09/07/93	Fries Hastings	514	654	04/23/92
	AK 1	5,380,761	01/10/95	Szabó <i>et al.</i>	514	655	10/20/93

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	AL 1	EP 0 404 807	01/02/91	EPO	A61K	31/135		
	AM 1	EP 0 509 761	10/21/92	EPO	A61K	31/135		
	AN 1	EP 0 593 807	04/27/94	EPO	A61K	9/70		
	AO 1	WO 92/17169	10/15/92	PCT	A61K	31/135		
	AP							

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AR 1	Amenta <i>et al.</i> , "Microanatomical Changes in the Frontal Cortex of Aged Rats: Effect of L-Deprenyl Treatment," <i>Brain Res. Bull.</i> 34:125-131 (1994).
	AS 1	Ansar <i>et al.</i> , "Rescue of Axotomized Immature Rat Facial Motoneurons by R(-)-Deprenyl: Stereospecificity and Independence from Monoamine Oxidase Inhibition," <i>J. Neurosci.</i> 13(9):4042-4053 (1993).
	AT 1	Berry <i>et al.</i> , "Possible Mechanisms of Action of (-)Deprenyl and Other MAO-B Inhibitors in Some Neurologic and Psychiatric Disorders," <i>Prog. in Neurobiol.</i> 44:141-161 (1994).

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------

<b>LIST OF REFERENCES CITED BY APPLICANT</b>				Atty. Docket No. <b>SOM700/4-4 CIP2CON2</b>		Appl No. <b>To be assigned</b>			
				Applicants: <b>Blume <i>et al.</i></b>					
				Filing Date <b>December 20, 2001</b>		Group To be assigned			

  

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 2	Re. 34,579	04/05/94	Buyske, deceased <i>et al.</i>	514	646	08/27/91
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

  

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AR 2	Casper <i>et al.</i> , "EGF Enhances the Survival of Dopamine Neurons in Rat Embryonic Mesencephalon Primary Cell Culture," <i>J. Neurosci. Res.</i> 30:372-381 (1991).
	AS 2	Glover <i>et al.</i> , "Neurotoxins and Monoamine Oxidase B Inhibitors: Possible Mechanisms for the Neuroprotective Effect of (-)-Deprenyl," <i>Inhibitors of Monoamine Oxidase B</i> , Chapter 8 (1993).
	AT 2	Iwaski <i>et al.</i> , "Deprenyl Enhances Neurite Outgrowth in Cultured Rat Spinal Ventral Horn Neurons," <i>J. Neurol Sci.</i> 125:11-13 (1994).

  

EXAMINER	DATE CONSIDERED
----------	-----------------

LIST OF REFERENCES CITED BY APPLICANT	Atty. Docket No. SOM700/4-4 CIP2CON2	Appl No. To be assigned
	Applicants: Blume <i>et al.</i>	
	Filing Date December 20, 2001	Group To be assigned

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AR 3	Ju <i>et al.</i> "(-)-Deprenyl Alters the Time Course of Death of Axotomized Facial Motoneurons and the Hypertrophy of Neighboring Astrocytes in Immature Rats," <i>Exp. Neurol.</i> 126:233-246 (1994).
	AS 3	Matsui <i>et al.</i> , "Monoamine Oxidase Inhibitors Prevent Striatal Neuronal Necrosis Induced by Transient Forebrain Ischemia," <i>Neurosci. Lett.</i> 126:175-178 (1991).
	AT 3	Park <i>et al.</i> , "Protection from 1-Methyl-4-Phenylpyridinium (MPP <sup>+</sup> ) Toxicity and Stimulation of Regrowth of MPP <sup>+</sup> -damaged Dopaminergic Fibers by Treatment of Mesencephalic Cultures with EGF and Basic FGF," <i>Brain Res.</i> 599:83-97 (1992).

EXAMINER	DATE CONSIDERED
----------	-----------------

<b>LIST OF REFERENCES CITED BY APPLICANT</b>				Atty. Docket No. <b>SOM700/4-4 CIP2CON2</b>		Appl No. <b>To be assigned</b>	
				Applicants: <b>Blume <i>et al.</i></b>			
				Filing Date <b>December 20, 2001</b>		Group To be assigned	

  

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

  

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AR 4	Rinne, "Nigral Degeneration in Parkinson's Disease in Relation to Clinical Features," <i>Acta Neurol. Scand.</i> 84(supp. 136):87-90 (1991).
	AS 4	Rinne <i>et al.</i> , "Selegiline (Deprenyl) Treatment and Death of Nigral Neurons in Parkinson's Disease," <i>Neurology</i> 41:859-861 (1991).
	AT 4	Salo <i>et al.</i> , "Deprenyl Reduces the Death of Motoneurons Caused by Axotomy," <i>J. Neurosci. Res.</i> 31:394-400 (1992).

  

EXAMINER	DATE CONSIDERED
----------	-----------------

# LIST OF REFERENCES CITED BY APPLICANT

Atty. Docket No.

SOM700/4-4 CIP2CON2

Appl No.

To be assigned

Applicants:

Blume *et al.*

Filing Date

December 20, 2001

Group To be assigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR 5	Tatton, "Selegiline Can Mediate Neuronal Rescue Rather Than Neuronal Protection," <i>Movement Disorders</i> 8:520-530 (1993).
AS 5	Tatton <i>et al.</i> , "Trophic-Like' Actions of (-)-Deprenyl on Neurons and Astroglia," in <i>Recent Advances in the Treatment of Neurodegenerative Disorders and Cognitive Dysfunction</i> 7:238-248 (1994).
AT 5	Zeng <i>et al.</i> , "Influence of Long-Term Treatment with L-Deprenyl on the Age-Dependent Changes in Rat Brain Microanatomy," <i>Mechd. Ageing Dev.</i> 73:113-126 (1994).

EXAMINER

DATE CONSIDERED



# **LIST OF REFERENCES CITED BY APPLICANT**

Atty. Docket No.

SOM700/4-4 CIP2CON2

Appl No.

To be assigned

Applicants:

Blume *et al.*

Filing Date

December 20, 2001

Group To be assigned

## **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## **FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

## **OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR 6	Borbe <i>et al.</i> , "Kinetic Evaluation of MAO-B-Activity Following Oral Administration of Selegiline and Desmethyl-Selegiline in the Rat," <i>J. Neural. Transm.</i> 32:131-137 (1990).
AS 6	Gershon <i>et al.</i> , "Monoamine Oxidase Inhibition and the Induction of Ponto-Geniculo-Occipital Wave Activity by Reserpine in the Cat," <i>J. Pharmacol. Exp. Ther.</i> 197:556-566 (1976).
AT 6	Heinonen <i>et al.</i> , "Desmethylselegiline, a Metabolite of Selegiline, is an Irreversible Inhibitor of MAO-B in Human Subjects," <i>Neurology</i> 43:A156 (1993).

EXAMINER

DATE CONSIDERED

<b>LIST OF REFERENCES CITED BY APPLICANT</b>				Atty. Docket No. SOM700/4-4 CIP2CON2		Appl No. To be assigned	
				Applicants: Blume <i>et al.</i>			
				Filing Date December 20, 2001		Group To be assigned	

  

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

  

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AR 7	Heinonen <i>et al.</i> , "Pharmacokinetic Aspects of <i>l</i> -Deprenyl (Selegiline) and Its Metabolites," <i>Clin. Pharmacol. Ther.</i> 56:742-749 (1994).
	AS 7	Heinonen <i>et al.</i> , "Pharmacokinetics and Metabolism of Selegiline," <i>Acta. Neurol. Scand.</i> 126:93-99 (1989).
	AT 7	Martin <i>et al.</i> , "Regression Analysis of the Relationship between Physical Properties and the <i>In Vitro</i> Inhibition of Monoamine Oxidase by Propynylamines," <i>J. Med. Chem.</i> 18:883-888 (1975).

  

EXAMINER	DATE CONSIDERED
----------	-----------------

# LIST OF REFERENCES CITED BY APPLICANT

Atty. Docket No.

SOM700/4-4 CIP2CON2

Appl No.

To be assigned

Applicants:

Blume *et al.*

Filing Date

December 20, 2001

Group To be assigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR 8	Nickel <i>et al.</i> , "Effect of Selegiline and Desmethyl-Selegiline on Cortical Electric Activity in Rats," <i>J. Neural. Transm.</i> 32:139-144 (1990).
	AS 8	Williams <i>et al.</i> , "Biochemical and Behavioural Studies of Monoamine Oxidase Inhibition," <i>Ir. J. Med. Sci.</i> 147:71-74 (1978).
	AT 8	

EXAMINER

DATE CONSIDERED